

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/559,835A
Source: TELE
Date Processed by STIC: 5/18/06

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/559,835A

DATE: 05/15/2006

TIME: 15:50:18

Input Set : A:\MATSUDA revised Sequence Listing filed 2006-05-12.txt
 Output Set: N:\CRF4\05152006\J559835A.raw

3 <110> APPLICANT: Matsuda, Takehisa
 4 Tanaka, Masa
 5 Manabe, Tatsuya
 6 Nakamura, Toshikazu
 7 Matsumoto, Kunio
 9 <120> TITLE OF INVENTION: Cell-Containing Preparations
 11 <130> FILE REFERENCE: 2005_1807A
 13 <140> CURRENT APPLICATION NUMBER: 10/559,835A
 C--> 14 <141> CURRENT FILING DATE: 2005-12-06
 16 <150> PRIOR APPLICATION NUMBER: JP 2004/000630
 17 <151> PRIOR FILING DATE: 2004-01-23
 19 <160> NUMBER OF SEQ ID NOS: 6
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1341
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
 29 caaaggaaaa gaagaaatac aattcatgaa ttcaaaaaat cagcaaagac taccctaatt 60
 31 aaaatagatc cagcactgaa gataaaaacc aaaaaagtga atactgcaga ccaatgtgct 120
 33 aatagatgtc ctaggaataa aggacttcca ttcaactgca aggctttgt ttttgataaaa 180
 35 gcaagaaaaac aatgcctctg gtcccccttc aatagcatgt caagtggagt gaaaaaaagaa 240
 37 tttggccatg aatttgcacct ctatgaaaac aaagactaca ttagaaaactg catcattgg 300
 39 aaaggacgca gctacaaggg aacagtatct atcactaaga gtggcatcaa atgtcagccc 360
 41 tggagttcca tgataccaca cgaacacacgc tttttgcctt cgagctatcg gggtaaagac 420
 43 ctacaggaaa actactgtcg aaatcctcgaa ggggaagaag ggggaccctg gtgtttcaca 480
 45 agcaatccag aggtacgcta cgaagtctgt gacattcctc agtgttcaga agttgaatgc 540
 47 atgacctgca atggggagag ttatcgaggt ctcatggatc atacagaatc aggcaagatt 600
 49 tgtcagcgct gggatcatca gacaccacac cggcacaaat tcttgccctga aagatatccc 660
 51 gacaagggct ttgatgataa ttattgccgc aatcccgatg gccagccgag gccatggtgc 720
 53 tataactcttgc accctcacac ccgctggag tacttgcaaa taaaaacatg cgctgacaat 780
 55 actatgaatg acactgatgt tcctttggaa acaactgaat gcatccaagg tcaaggagaa 840
 57 ggatcaggg gcactgtcaa taccatgg aatggaaattc catgtcagcg ttgggattct 900
 59 cagtatccctc acgagcatga catgactccct gaaaatttca agtgcagaa cctacgagaa 960
 61 aattactgca gaaatccaga tgggtctgaa tcaccctggt gttttaccac tgatccaaac 1020
 63 atccgagttg gctactgctc ccaaattcca aactgtgata tgtcacatgg acaagattgt 1080
 65 tatacgatggaa atggcaaaaa ttatatggc aacttatccc aaacaagatc tggactaaca 1140
 67 tgtcaatgt gggacaagaa catggaagac ttacatcgatc atatcttctg ggaaccagat 1200
 69 cgaagtaagc tgaatgagaa ttactgccga aatccagatg atgatgctca tggaccctgg 1260
 71 tgctacacgg gaaatccact cattccttgg gattattgcc ctatttctg ttgtgaaggt 1320
 73 gataccacac ctacaatagt c 1341
 76 <210> SEQ ID NO: 2
 77 <211> LENGTH: 1326

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78 <212> TYPE: DNA
 79 <213> ORGANISM: Homo sapiens
 81 <400> SEQUENCE: 2
 82 caaaggaaaa gaagaataac aattcatgaa ttcaaaaaat cagcaaagac taccctaatc 60
 84 aaaatagatc cagcactgaa gataaaaacc aaaaaagtga atactgcaga ccaatgtgct 120
 86 aatagatgt a ctaggaataa aggacttcca ttcacttgca aggctttgt ttttgataaa 180
 88 gcaagaaaaac aatgcctctg gttccccttc aatagcatgt caagtggagt gaaaaaagaa 240
 90 tttggccatg aatttgaccc tcatgaaaaac aaagactaca tttagaaactg catcattgg 300
 92 aaaggacgca gctacaaggg aacagtatct atcactaaga gtggcatcaa atgtcagccc 360
 94 tggagttcca tgataccaca cgaacacacgc tatcgggta aagacctaca ggaaaactac 420
 96 tgtcgaaatc ctcgagggga agaagggggg ccctgggtt tcacaagcaa tccagaggt 480
 98 cgctacgaag tctgtgacat tcctcagtgt tcagaagttg aatgcatgac ctgcaatggg 540
 100 gagagttatc gaggtctcat ggatcatatac gaatcaggca agatttgca gcgcgtggat 600
 102 catcagacac cacaccggca caaattctt cctgaaagat atcccgacaa gggctttgat 660
 104 gataattatt gccgcaatcc cgatggccag ccgaggccat ggtgctatac tcttgaccct 720
 106 cacacccgct gggagttactg tgcaattaaa acatgcgctg acaataactat gaatgacact 780
 108 gatgttcctt tggaaacaac tgaatgcac tcaggtcaag gagaaggcta cagggcact 840
 110 gtcataatcca tttggaatgg aattccatgt cagcgttggg attctcagta tcctcacfag 900
 112 catgacatga ctcctgaaaa tttcaagtgc aaggacctac gagaaaatta ctggcgaat 960
 114 ccagatgggt ctgaatcacc ctgggtttt accactgatc caaacatcc agttggctac 1020
 116 tgctcccaaa ttccaaactg tgatatgtca catggacaag attgttacg tggaaatggc 1080
 118 aaaaattata tgggcaactt atcccaaaca agatctggac taacatgttc aatgtggac 1140
 120 aagaacatgg aagacttaca tcgtcatatc ttctggaaac cagatgcaag taagctgaat 1200
 122 gagaattact gcccgaatcc agatgatgat gctcatggac cctgggtcta cacggaaat 1260
 124 ccactcattc cttggattt ttggccattt tctcggttg aaggtgatac cacacctaca 1320
 126 atagtc 1326
 129 <210> SEQ ID NO: 3
 130 <211> LENGTH: 447
 131 <212> TYPE: PRT
 132 <213> ORGANISM: Homo sapiens
 134 <400> SEQUENCE: 3
 136 Gln Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys
 137 1 5 10 15
 140 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys
 141 20 25 30
 144 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
 145 35 40 45
 148 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
 149 50 55 60
 152 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
 153 65 70 75 80
 156 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
 157 85 90 95
 160 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
 161 100 105 110
 164 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
 165 115 120 125
 168 His Ser Phe Leu Pro Ser Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn
 169 130 135 140

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172 Tyr Cys Arg Asn Pro Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr
173 145 150 155 160
176 Ser Asn Pro Glu Val Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser
177 165 170 175
180 Glu Val Glu Cys Met Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met
181 180 185 190
184 Asp His Thr Glu Ser Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr
185 195 200 205
188 Pro His Arg His Lys Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe
189 210 215 220
192 Asp Asp Asn Tyr Cys Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys
193 225 230 235 240
196 Tyr Thr Leu Asp Pro His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr
197 245 250 255
200 Cys Ala Asp Asn Thr Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr
201 260 265 270
204 Glu Cys Ile Gln Gly Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr
205 275 280 285
208 Ile Trp Asn Gly Ile Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His
209 290 295 300
212 Glu His Asp Met Thr Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu
213 305 310 315 320
216 Asn Tyr Cys Arg Asn Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr
217 325 330 335
220 Thr Asp Pro Asn Ile Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys
221 340 345 350
224 Asp Met Ser His Gly Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr
225 355 360 365
228 Met Gly Asn Leu Ser Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp
229 370 375 380
232 Asp Lys Asn Met Glu Asp Leu His Arg His Ile Phe Trp Glu Pro Asp
233 385 390 395 400
236 Ala Ser Lys Leu Asn Glu Asn Tyr Cys Arg Asn Pro Asp Asp Asp Ala
237 405 410 415
240 His Gly Pro Trp Cys Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr
241 420 425 430
244 Cys Pro Ile Ser Arg Cys Glu Gly Asp Thr Thr Pro Thr Ile Val
245 435 440 445
248 <210> SEQ ID NO: 4
249 <211> LENGTH: 442
250 <212> TYPE: PRT
251 <213> ORGANISM: Homo sapiens
253 <400> SEQUENCE: 4
255 Gln Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys
256 1 5 10 15
259 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys
260 20 25 30
263 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
264 35 40 45

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267 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
268 50 55 60
271 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
272 65 70 75 80
275 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
276 85 90 95
279 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
280 100 105 110
283 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
284 115 120 125
287 His Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn Tyr Cys Arg Asn Pro
288 130 135 140
291 Arg Gly Glu Glu Gly Pro Trp Cys Phe Thr Ser Asn Pro Glu Val
292 145 150 155 160
295 Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser Glu Val Glu Cys Met
296 165 170 175
299 Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met Asp His Thr Glu Ser
300 180 185 190
303 Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr Pro His Arg His Lys
304 195 200 205
307 Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe Asp Asp Asn Tyr Cys
308 210 215 220
311 Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys Tyr Thr Leu Asp Pro
312 225 230 235 240
315 His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr Cys Ala Asp Asn Thr
316 245 250 255
319 Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr Glu Cys Ile Gln Gly
320 260 265 270
323 Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr Ile Trp Asn Gly Ile
324 275 280 285
327 Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His Glu His Asp Met Thr
328 290 295 300
331 Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu Asn Tyr Cys Arg Asn
332 305 310 315 320
335 Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr Thr Asp Pro Asn Ile
336 325 330 335
339 Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys Asp Met Ser His Gly
340 340 345 350
343 Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr Met Gly Asn Leu Ser
344 355 360 365
347 Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp Asp Lys Asn Met Glu
348 370 375 380
351 Asp Leu His Arg His Ile Phe Trp Glu Pro Asp Ala Ser Lys Leu Asn
352 385 390 395 400
355 Glu Asn Tyr Cys Arg Asn Pro Asp Asp Asp Ala His Gly Pro Trp Cys
356 405 410 415
359 Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr Cys Pro Ile Ser Arg
360 420 425 430
363 Cys Glu Gly Asp Thr Thr Pro Thr Ile Val

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364	435	440
367	<210> SEQ ID NO: 5	
368	<211> LENGTH: 20	
369	<212> TYPE: DNA	
370	<213> ORGANISM: Artificial	
372	<220> FEATURE:	
373	<223> OTHER INFORMATION: Synthetic Construct	
375	<400> SEQUENCE: 5	
376	agttagggtgg atggtagtt	20
379	<210> SEQ ID NO: 6	
380	<211> LENGTH: 20	
381	<212> TYPE: DNA	
382	<213> ORGANISM: Artificial	
384	<220> FEATURE:	
385	<223> OTHER INFORMATION: Synthetic Construct	
387	<400> SEQUENCE: 6	
388	tacaacttgt atgtcaaaat	20

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/15/2006
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Input Set : A:\MATSUDA revised Sequence Listing filed 2006-05-12.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6

VERIFICATION SUMMARY

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Input Set : A:\MATSUDA revised Sequence Listing filed 2006-05-12.txt
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date